

Title (en)

METHOD FOR ALIGNING CALIBRATION DEVICE WITH VEHICLE AND AUXILIARY TARGET

Title (de)

VERFAHREN ZUR AUSRICHTUNG EINER KALIBRIERUNGSVORRICHTUNG MIT EINEM FAHRZEUG UND EINEM HILFSZIEL

Title (fr)

PROCÉDÉ POUR ALIGNER UN DISPOSITIF D'ÉTALONNAGE AVEC UN VÉHICULE ET UNE CIBLE AUXILIAIRE

Publication

**EP 3940339 A4 20220518 (EN)**

Application

**EP 20773391 A 20200320**

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Abstract (en)

[origin: EP3940339A1] The present invention relates to the field of the vehicle maintenance and repair as well as device calibration and provides a method and auxiliary target for aligning a calibration device to a vehicle. The calibration device includes a calibration bracket and a calibration laser emitter. The calibration bracket includes a crossbar. The method includes: placing a vehicle on a horizontal plane; setting a calibration center point, so that the calibration center point is located on a line of intersection of a central axial plane of the vehicle and the horizontal plane and the calibration center point is at a preset calibration distance from a plane extending through a head of the vehicle and perpendicular to the horizontal plane, or the calibration center point is at the preset calibration distance from a plane extending through centers of two front wheels of the vehicle and perpendicular to the horizontal plane; turning on the calibration laser emitter, so that the calibration laser emitter emits two sector-shaped rays of light, the two sector-shaped rays of light forming, on the horizontal plane, a first laser line and a second laser line that intersect and are perpendicular to each other; and adjusting a position of the crossbar, so that a point of intersection of the first laser line and the second laser line coincides with the calibration center point and the first laser line coincides with the line of intersection of the central axial plane of the vehicle and the horizontal plane. By means of the method for aligning a calibration device to a vehicle, alignment of the calibration device to the vehicle can be achieved easily and quickly.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [IAY] DE 102017214014 A1 20190214 - BOSCH GMBH ROBERT [DE], et al
- [Y] CN 103909865 A 20140709 - GREAT WALL MOTOR CO LTD
- [XI] US 4761749 A 19880802 - TITSWORTH RAYMOND [US], et al
- [XI] EP 1532420 B1 20090218 - WARKOTSCH HORST [DE]
- See also references of WO 2020187318A1

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Designated contracting state (EPC)

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DOCDB simple family (application)

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